

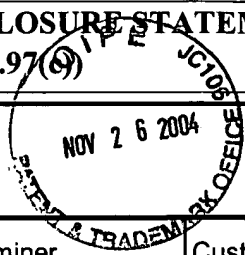
IFW

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. 02007 (16792)	
In Re Application Of: Xiaodong Wang					
Application No. 10/631,991	Filing Date July 31, 2003	Examiner Unassigned	Customer No. 23389	Group Art Unit 2182	Confirmation No. Unassigned
Title: NEAR-OPTIMAL MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO) CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO					
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
37 CFR 1.97(b)					
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.					
37 CFR 1.97(c)					
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:					
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);					
OR					
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).					

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(g))

Docket No.  
02007 (16792)

In Re Application: Xiaodong Wang



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/631,991	July 31, 2003	Unassigned	23389	2182 Unassigned	Unassigned

Title: NEAR-OPTIMAL MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO)  
CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below.
- ☐ Charge the amount of \_\_\_\_\_
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- ☐ Payment by credit card. Form PTO-2038 is attached.

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*Ralph F. Hoppin*  
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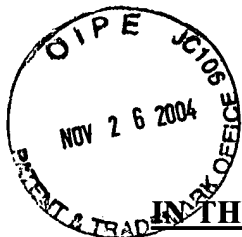
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*Ralph F. Hoppin*  
Signature

Dated: November 22, 2004

Ralph F. Hoppin  
Registration No. 38,494  
SCULLY, SCOTT, MURPHY & PRESSER  
400 Garden City Plaza  
Garden City, New York 11530

CC:



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant:</b>	Xiaodong Wang	<b>Examiner:</b>	Unassigned
<b>Serial No.:</b>	10/631,991	<b>Group Art Unit:</b>	2182
<b>Filed:</b>	July 31, 2003	<b>Docket:</b>	02007 (16792)
<b>For:</b>	NEAR-OPTIMAL MULTIPLE- INPUT MULTIPLE-OUTPUT (MIMO) CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO	<b>Dated:</b>	November 22, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Bin Dong et al., "A New Class of Soft MIMO Demodulation Algorithms", IEEE Transactions on Signal Processing, November 2003, Vol. 51, No. 11, pages 2752-2763;
2. Dong Guo et al., "Blind Detection in MIMO Systems via Sequential Monte Carlo", IEEE Journal on Selected Areas In Communications, April 2004, Vol. 21, No. 3, pages 464-473;

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

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Ralph F. Hoppin

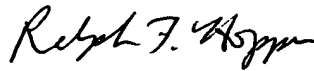
3. Xiaodong Wang et al., "Blind Turbo Equalization in Gaussian and Impulsive Noise", IEEE Transactions on Vehicular Technology, July 2001, Vol. 50, No. 4, pages 1092-1105,
4. Search Report dated June 15, 2004 for GB0404318.8.

The references were cited in a search report in a counterpart foreign application. The Yang reference cited in the search report was previously submitted by Applicants.

Applicants are submitting copies of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(b)(3), no statement or fee is required.

Respectfully submitted,



Ralph F. Hoppin  
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RFH:kd

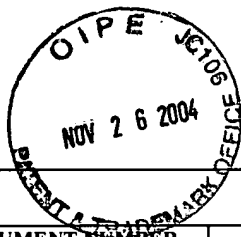
Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE CITATION****Atty. Docket No. (Optional)**

02007 (16792)

**Application Number**

10/631,991

**Applicant(s)**

Xiaodong Wang

**Filing Date**

July 31, 2003

**Group Art Unit**

2182

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bin Dong et al., "A New Class of Soft MIMO Demodulation Algorithms", <i>IEEE Transactions on Signal Processing</i> , November 2003, Vol. 51, No. 11, pages 2752-2763.
		Dong Guo et al., "Blind Detection in MIMO Systems via Sequential Monte Carlo", <i>IEEE Journal on Selected Areas In Communications</i> , April 2004, Vol. 21, No. 3, pages 464-473.
		Xiaodong Wang et al., "Blind Turbo Equalization in Gaussian and Impulsive Noise", <i>IEEE Transactions on Vehicular Technology</i> , July 2001, Vol. 50, No. 4, pages 1092-1105.
		Search Report dated June 15, 2004 for GB0404318.8

**EXAMINER****DATE CONSIDERED**

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.